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16

RAW SEQUENCE LISTING

DATE: 11/19/2003

PATENT APPLICATION: US/10/025,380A

TIME: 09:58:36

Input Set : D:\471c14.app.txt

Output Set: N:\CRF4\11192003\J025380A.raw

4 <110> APPLICANT: Xu, Jiangchun
5 Lodes, Michael J.
6 Secrist, Heather
7 Benson, Darin R.
8 Meagher, Madeleine Joy
9 Stolk, John A.
10 Wang, Tongtong
11 Jiang, Yuqiu
12 Smith, Carole L.
13 King, Gordon E.
14 Wang, Aijun
15 Clapper, Jonathan D.
16 Skeiky, Yasir A. W.
17 Fanger, Gary R.
18 Vedvick Thomas S.
19 Carter, Darrick
22 <120> TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
23 OF COLON CANCER AND METHODS FOR THEIR USE
27 <130> FILE REFERENCE: 210121.471C14
29 <140> CURRENT APPLICATION NUMBER: US/10/025,380A
30 <141> CURRENT FILING DATE: 2001-12-19
32 <160> NUMBER OF SEQ ID NOS: 1130
34 <170> SOFTWARE: FastSEQ for Windows Version 4.0
36 <210> SEQ ID NO: 1
37 <211> LENGTH: 458
38 <212> TYPE: DNA
39 <213> ORGANISM: Homo sapiens
41 <220> FEATURE:
42 <221> NAME/KEY: misc_feature
43 <222> LOCATION: 1
44 <223> OTHER INFORMATION: n = A,T,C or G
46 <400> SEQUENCE: 1
47 ncagggtctgg cggcacctgt gcactcagcc gtcgatacac tggtcgattg ggacagggaa 60
48 gacgatgtgg ttttcaggga ggcccagaga ttgggagaag cggatgaagt tctcctttag 120
49 ttccgaagtc agtccttgg ttctcccgtg gagggtgac ttgaagtact cctgttttg 180
50 agaaactttc ttgaagaaca ccatagcatg ctggtttag ttggtgtca ccactcggac 240
51 gaggttaact gttaatccag ggtaactctt aatgttgccc agcgtgaact cgccgggctg 300
52 gcaacctyga acaaaaagtcc tgatccagta gtcacacttc ttttctctaa acaggacyga 360
53 ggtgacattg tagctcttgt cttctttcag ctcatagatg gtggcataca tcttttgcgg 420
54 gtcctttgtc tctctgagaa ttgcattccc tgccagga 458
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 423
58 <212> TYPE: DNA

ENTERED

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59 <213> ORGANISM: Homo sapiens

61 <400> SEQUENCE: 2

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62 cagggtccat aggtgatccg caactctcga gcatttatat acaatagcaa atcatccagt 60
63 gtgttgatgac gtctataata ctccaacagt ctcccatctg tattcaatgg cgccacccaa 120
64 tacagtcctt tgtttggatg ctggggagag taatccctac cccaagcacc ataatagataa 180
65 gaaaaccctc tccagttgag ctgaaccaca gacggtttgc tgatgttcac cacaccacca 240
66 tgaccacagc tccctggagt gggaggaggg tggacgacag ggggtgtttg atcttttagag 300
67 gcttcacact ctttcagctt ggtcttcaga gccacgattt ctgggcgaat ggcaaggaca 360
68 ttgtttttgt ctagtgtctc aagcttctct accaagagag tcatatttct tatctccacc 420
69 tcc 423

```

71 <210> SEQ ID NO: 3

72 <211> LENGTH: 538

73 <212> TYPE: DNA

74 <213> ORGANISM: Homo sapiens

76 <400> SEQUENCE: 3

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77 ggtctgtcca atggcaacag gaccctcact ctaytcartg tcacaagraa tgayrcagsa 60
78 msctayraat gtgaaaycca gaaccagtg agtgccarsc gcagtgayyc agtcatcctg 120
79 aatgtcctct atggcccrga tgmccccacc atttccctc taaacacatm ttaccgwyca 180
80 ggggaaaatc tgaacctctc ctgccacgca gcctctaacc cacctgcaca gtactcttgg 240
81 ttrtcaatg ggactttcca gcaatccacm caagagctct ttatcccaa catcactgtg 300
82 aataatagyg gatcctatac gtgccaaagg cataactcag mactggcct caataggacc 360
83 acagtcacga cgatcacagt ctatgcaaga gccacccaaa ccttcatca ccagcaacaa 420
84 ctccaacccc gtggaggatg aggatgctgt agccttaacc tgtgaacctg agattcagaa 480
85 cacaacctac ctgtggtggg taaataatca gagcctcccg gtcagtccca ggctgcag 538

```

87 <210> SEQ ID NO: 4

88 <211> LENGTH: 309

89 <212> TYPE: DNA

90 <213> ORGANISM: Homo sapiens

92 <400> SEQUENCE: 4

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93 tggtascca aaaagatgct ggggcagatt gtggacaagt agaagaacct ccttccctc 60
94 tgcgaacatt gaacggcgtg gattcaatag tgagcttggc agtgggtggg gggttccaga 120
95 aggttagaag tgaggctgtg agcaggagcc cctgccaggg gatvcacgca mtctgtggg 180
96 aggggctgag rggdgcwyc atggctctct ctgtctgctc tgcctcctc tgtggagaa 240
97 agcttgagct ccaggaacgc tttgrtcavg gctgcctgtg acctytgctc tgbtctgct 300
98 gcccgggcg 309

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100 <210> SEQ ID NO: 5

101 <211> LENGTH: 412

102 <212> TYPE: DNA

103 <213> ORGANISM: Homo sapiens

105 <400> SEQUENCE: 5

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106 gtccaatggc aacaggaccc ctcaattcta ttcaatgtca caagaaatga cgcaagagcc 60
107 tatgtatgtg gaatccagaa ctkcagttag tgcaaaccgc agtgaccag tcaccttgga 120
108 tgtcctctat gggccagaca sccccatca ttccccccc agactcgtct tacctttcgg 180
109 gagcgaacct caacctctcc tgccactcgg cctctaacc atccccgcag tattcttggc 240
110 kgtatcaatg ggatacgcga gcaacacaca caagttctct ttatcgcaa aatcacgcca 300
111 aataataacg ggacctatgc ctgttttgtc tctaacttgg ctactggccc gcaataattc 360
112 catagtcaag agcatcacag tcttctgcat ctggaacttc tctgggtctt ct 412

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114 <210> SEQ ID NO: 6

115 <211> LENGTH: 332

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116 <212> TYPE: DNA
117 <213> ORGANISM: Homo sapiens
119 <400> SEQUENCE: 6
120 gtgcaagggc tttacaaaaa ctgtgccagt krccttctyca tgwsrwcrga tctgacttka 60
121 ttsaygttkt atgagsysya saatmctgaw gctcmtyts sakgrwsttc kgsatmrgca 120
122 gtsrattcsa catttgggrt akrtymctc tsgaagysam tgtcakgcag tgrcayccwr 180
123 gkktcwgwt gcwgtgrgtt amcakcmwtr ywtagksgm ayatrattha ramrgtayak 240
124 cymtctcmct cytycmccay wtgcwcaass mkcacacctc ggccgcgacc acgctaagcc 300
125 cgaattccag cacactggcg gccgttacta gt 332
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 401
129 <212> TYPE: DNA
130 <213> ORGANISM: Homo sapiens
132 <400> SEQUENCE: 7
133 tgggtgttgtt ggcgccagtt ccctggacct ggaacagccg tgtggagggc ccggtctcca 60
134 agttgttagt tcgggaggtg cctccctggt agaccacct gcgtcccttg aagatggaca 120
135 taagatgagg tggctccttg cccattggga cccgatctg gactggttca ccattgtact 180
136 tctggtccag gatgacggct tgataagctg atgctgtaat ttcattcttg ctggcctggc 240
137 tgccctgcca aacgtagagc aggtaatgct gcttctcgcc gatgaaggta ggtgtaagag 300
138 cagcaggtaa gcaagttcgc ccccatagaa gtgggcctag ccacttgga ttccagcaca 360
139 ctggcgcccc gttactagt ggatcccgag ctcggtacca a 401
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 1151
143 <212> TYPE: DNA
144 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 8
147 ctctctccat aaaactcagc actttacaga tgtagaatat ataagcatgc caaatttact 60
148 tatctgccac atacaaagca tcattccagg tgctagttag gggaaaaaaa agttggagat 120
149 ttggtccctc gaggagctcc agatattaat ctacctaaact aagtccccag gtttcttcca 180
150 ggcattggaag aattagtggg gctacatgga tgaggactag tcattgggca atatttctctg 240
151 tacaagaat ccctagacgc catactgagt ttaagttcc ttaattccta atttaaggct 300
152 tctagtgaag cctcctcaca gtaggttca ctaggcccac agtgccccta gacctctgac 360
153 aatccccacc tagacagact ttattgcaaa atgcccctga agaggcagat gattcccaag 420
154 agaactcacc aaatcaagac aaatgtccta gatctctagt gtggtagaac tatgcacct 480
155 aacattgctg caaaatgaac acacttttag acaccctgc agatatctaa gtaagtggag 540
156 aagactatth tttcaacaaa cattttctct ttcacctaa ctctaaaca gcttactggg 600
157 gcttctgcaa gacagaaaga tcataattca gaaggtaacc atcgttatag acataaagtt 660
158 tctggtcaaa agggttatag ttaatgctct gcacttttct ctgcatctta tgcattacaa 720
159 tgtctagttt gccctcttct cctgtgtttg tgcataata gtaaaaaatc tcttctgttc 780
160 tgggtgttca tagtacgggt ggcatacaga accccacata ccatgaaggc gttagaagca 840
161 gatggtttat actgcttggt ataccaagtg ttagcacct gaagtgtggt gtcattgagt 900
162 ttactaatca ccatgttacc agtgctggct tcagttgaat aaataaccca caatccattc 960
163 tcattccacag caaagtcaat atcttgccaa gcaacattag catatgaaaa gcggttatta 1020
164 taggcagcat tagggagagt ttgagtcaca gcaatcgtgt tgggtggtcag gttactctg 1080
165 gcaatattcc cgggtgttga catgttgacg tacatgttgt tgttgtaaac tgctgtacca 1140
166 ctaccttggga c 1151
168 <210> SEQ ID NO: 9
169 <211> LENGTH: 604
170 <212> TYPE: DNA

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171 <213> ORGANISM: Homo sapiens
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: 410, 427
176 <223> OTHER INFORMATION: n = A,T,C or G
178 <400> SEQUENCE: 9
179 ctgtgcaagg gctttacaaa aactgtgcc a ggacttccca tgaggctgga ttgcttgatt 60
180 catgttttat gagccccaca atactgaagc tccttttcca gggacttggc ataggcagtc 120
181 aattccacat ttgggatagg tcctctctgg aagtgaatgt caggcagtga catccaagtt 180
182 tctgcatgca gtgggttaac agccatgttt agggggaaca tgatttaaaa agtacatctc 240
183 tctccctcct cccccacatg cacaaggctc acatctcatt atggtgkcg cccatgtcac 300
184 attaaagtgt gatacttkgg ttttgaaaac attcaaacag tctctgtgga aatctggaga 360
> 185 gaaattggcg gagagctgcc gtgggtgcatt cctcctgtag tgcttcaagn taatgcttca 420
186 tcctttntta ataacttttg atagacaggg gctagtcgca cagacctctg ggaagccctg 480
187 gaaaacgctg atgcttgttt gaagatctca agcgcagagt ctgcaagttc atccccctctt 540
188 tcctgaggtc tgttggtctg aggctgcaga acattggtga tgacatggac cagccattt 600
189 gtgg 604
191 <210> SEQ ID NO: 10
192 <211> LENGTH: 473
193 <212> TYPE: DNA
194 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 10
197 tcgagaagat ccctagttag actttgaacc gtatcctggg cgacccagaa gccctgagag 60
198 acctgctgaa caaccacatc ttgaagtcag ctatgtgtgc tgaagccatc gttgcggggc 120
199 tgtctgtgga gacctggag ggcacgacac tggaggtggg ctgcagcggg gacatgctca 180
200 ctatcaacgg gaaggcgatc atctccaata aagacatcct agccaccaac ggggtgatcc 240
201 actacattga tgagctactc atcccagact cagccaagac actatttgaa ttggctgcag 300
202 agtctgatgt gtccacagcc attgaccttt tcagacaagc cggcctcggc aatcatctct 360
203 ctggaagtga gcggttgacc ctctgggct cccctgaatt ctgtattcaa agatggaacc 420
204 cctccaattg atgcccatac aaggaatttg cttcggaacc acataattaa aga 473
206 <210> SEQ ID NO: 11
207 <211> LENGTH: 411
208 <212> TYPE: DNA
209 <213> ORGANISM: Homo sapiens
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <222> LOCATION: 251, 276, 406, 409
214 <223> OTHER INFORMATION: n = A,T,C or G
216 <400> SEQUENCE: 11
217 tcctcattgg tcggggccaa aagcgtgtac tggccgttac cttcaagcat cgtgttgagc 60
218 cctgatgcag ccacagcagc ccgaagggtc tcaaagggtg cctcgatctc aatgatctgc 120
219 tggatgttgt tggatgatgt ggagatgacc ttatcgatga ggtgcaccac cccgttggtt 180
220 gcatggttgt cggcttgyar carccgggca cagttcacag ttacaatccc attaggatag 240
> 221 tgggtgatct nggatgttg aattctggta catagnaggt gaggggtcat gcccggttt 300
222 cagctcatca gtcaggactc gcctgccac catatggtaa gcsgragggc atttgagcag 360
223 ctcaatgttt gacattgctg gaccagggga gttccagcac ttctangang a 411
225 <210> SEQ ID NO: 12
226 <211> LENGTH: 560
227 <212> TYPE: DNA

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```

228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 12
231 tacttgccctg gagatwgcyt tykckwtmtg ytcwrawgtc cgtggataca gaaatctctg 60
232 caggcaagtt gctccagagc atattgcagg acaagcctgt aacgaatagt taaattcacg 120
233 gcattctggat tctaatcct tttccgaaat ggcagggtgt agtgcctgta taaaatattc 180
234 tatgtttacc ttcaacttct tgttctggct atgtggtatc ttgatcctag cattagcaat 240
235 atgggtacga gtaagcaatg actctcaagc aatttttggt tctgaagatg taggctctag 300
236 ctctacgtt gctgtggaca tattgattgc tgtagggtgcc atcatcatga ttctgggctt 360
237 cctgggatgc tgcggtgcta taaaagaaaag tgcgtgcatg cttctgttgt ttttcatagg 420
238 cttgcttctg atcctgctcc tgcagggtgg cgacagggtat cctaggagct gttttcaaat 480
239 ctaagtctga tcgcattgtg aatgaaactc tctatgaaaa cacaaagctt ttgagcgcca 540
240 caggggaaaag tgaaaaacaa 560
242 <210> SEQ ID NO: 13
243 <211> LENGTH: 150
244 <212> TYPE: DNA
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 13
248 gggcaggctg tctttttaaa atgtctcggc tagctagacc acagatatct tctagacata 60
249 ttgaacacat ttaagatttg agggatataa gggaaaatga tatgaatgtg tatttttact 120
250 caaaataaaa gtaactgttt acgttgggtga 150
252 <210> SEQ ID NO: 14
253 <211> LENGTH: 403
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo sapiens
257 <400> SEQUENCE: 14
258 ctgctgacctg tggcgtgtgt gggctggatc ccttgaaggc tgagtttttg agggcagaaa 60
259 gctagctatg ggtagccagg tgttacaaag gtgctgctcc ttctccaacc cctacttgg 120
260 ttccctcacc ccaagcctca tgttcatacc agccagtggg ttcagcagaa cgcattgac 180
261 cttatcacct ccctccttgg gtgagctctg aacaccagct ttggcccctc cacagtaagg 240
262 ctgctacatc aggggcaacc ctggctctat cattttcctt ttttgccaaa aggaccagta 300
263 gcatagggtga gccctgagca ctaaaaggag gggtcctga agctttccca ctatagtgtg 360
264 gagtctctgc cctgaggtgg gtacagcagc cttggttctc ctg 403
266 <210> SEQ ID NO: 15
267 <211> LENGTH: 688
268 <212> TYPE: DNA
269 <213> ORGANISM: Homo sapiens
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: 638, 639, 649, 660, 666, 669, 671, 673, 674, 679, 684
274 <223> OTHER INFORMATION: n = A,T,C or G
276 <400> SEQUENCE: 15
277 caaagcacat ttaatacatt tattttaaaa gggggagtaa agcattttaa ctgccaatcc 60
278 tatagactag gacttgaaca tcaaaggaaa aatagacaaa gactagatga taaagtcatt 120
279 caaaagcaca gaagcacatc acatacacca gcaaggtttc caactactgc actgattaac 180
280 tagatactct caatagcttt tctatagctc gtcctagaaa aaaaaattaa attttcattt 240
281 tcttacaagt tccaggctta aacaaaggca aaaattacat gcaacaactg atacactcat 300
282 aagttgcaca tatgtcccaa ggtctttatt agataacaat aaatgctagc actttgtcac 360
283 tgccatcaga ttttccttat agtcttagag tcatgtaaat aaaagttcca taatgaaatt 420
284 aaagaaaatt aatttttcta atcttagatc agttccatag aaaactatta atttttttaa 480

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RAW SEQUENCE LISTING ERROR SUMMARY
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ase Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the
uence Listing to ensure that a corresponding explanation is presented in the <220>
<223> fields of each sequence which presents at least one n or Xaa.

#:1; N Pos. 1
#:9; N Pos. 410,427
#:11; N Pos. 251,276,406,409
#:15; N Pos. 638,639,649,660,666,669,671,673,674,679,684
#:21; N Pos. 257
#:22; N Pos. 317
#:24; N Pos. 182
#:25; N Pos. 81,146,291,355
#:26; N Pos. 219,236,276,300,303,310,325,330,335,359,374,380,390
#:27; N Pos. 32,38,49,100,142,147,181,250,258,272,274,297,340,341,366
#:27; N Pos. 368,377
#:28; N Pos. 212
#:35; N Pos. 184,208,251,263,284,293,296,337,395
#:37; N Pos. 2,3,6,9,16,18,19,23,30,33,48,56,59,62,73,75,81,85,88,89,114
#:37; N Pos. 116,121,137,149,158,161,168,183,192,232,251,308,345,348,354
#:37; N Pos. 363,369,391,397,400,401
#:39; N Pos. 8,209
#:41; N Pos. 170,317,334,364
#:45; N Pos. 212,224
#:46; N Pos. 70,182
#:49; N Pos. 17,44,49
#:50; N Pos. 6,10,20,22,25,28,30,37,40,41,42,51,58,59,68,69,70,75,76,79
#:50; N Pos. 91,95,108,109,111,142,146,180,200,201,213,218,233,235,247
#:50; N Pos. 265,290,299,306
#:52; N Pos. 168,197,202,209,218,257,271,287
#:53; N Pos. 37,60,73,76,92
#:54; N Pos. 4,8,11,13,26,27,35,38,43,47,57
#:55; N Pos. 25,223,241,254,259
#:56; N Pos. 85,164,198,228,257,261,283,298,326,385,390
#:61; N Pos. 16,76,96,110,112,122,138,140,143,155,161,163,175,178
#:62; N Pos. 51,72
#:63; N Pos. 48,95,182,290,314,350,365,380
#:64; N Pos. 153,156,158,162,170,171,184,192
#:65; N Pos. 115,118,120
#:67; N Pos. 32,46,59,132,190,234,264,272
#:69; N Pos. 10,16,21,24,27,29
#:70; N Pos. 196
#:71; N Pos. 281,308,364,376,383,397,413,420
#:72; N Pos. 218,236,247,256
#:73; N Pos. 249,283,313,385,390,407
#:74; N Pos. 167,268
#:75; N Pos. 444,495,531,562
#:77; N Pos. 196,335,409,410,417,442,447,450
#:78; N Pos. 376,397,442,454

RAW SEQUENCE LISTING ERROR SUMMARY
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#:79; N Pos. 164,188,350
#:80; N Pos. 42,130,131,134,200,210,226,243,257,273,278,295,303,316,337
#:80; N Pos. 344,357,360
#:81; N Pos. 121,132,191,211,224,312,342,354,360,407,412,427
#:82; N Pos. 18,54,130,137,162,175,184,190,192,202,206,213,218,241,260
#:83; N Pos. 2,18,169,209,245,263,265,284,378
#:84; N Pos. 61,81,82,90,98,111,153,182,184,187,189,198,210,211,212,238

VERIFICATION SUMMARY

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Input Set : D:\471c14.app.txt

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9 M:270 C: Current Application Number differs, Wrong Format
7 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:360
41 Repeated in SeqNo=9
21 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:240
41 Repeated in SeqNo=11
87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:600
41 Repeated in SeqNo=15
74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:240
93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:300
22 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:180
40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:60
41 Repeated in SeqNo=25
62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:180
41 Repeated in SeqNo=26
79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
41 Repeated in SeqNo=27
01 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:180
02 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:180
41 Repeated in SeqNo=35
35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
41 Repeated in SeqNo=37
68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
41 Repeated in SeqNo=39
03 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:120
41 Repeated in SeqNo=41
64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:180
81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:60
41 Repeated in SeqNo=46
28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
41 Repeated in SeqNo=50
74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:120
41 Repeated in SeqNo=52
89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
41 Repeated in SeqNo=53
03 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0
17 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
41 Repeated in SeqNo=55
35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:60
41 Repeated in SeqNo=56
000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
41 Repeated in SeqNo=61
015 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0
41 Repeated in SeqNo=62
029 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0
41 Repeated in SeqNo=63
050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:120

VERIFICATION SUMMARY

DATE: 11/19/2003

PATENT APPLICATION: US/10/025,380A

TIME: 09:58:37

Input Set : D:\471c14.app.txt

Output Set: N:\CRF4\11192003\J025380A.raw

41 Repeated in SeqNo=64

065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:60

090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0

988 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:168

0326 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:644

0725 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:668